



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	

IOWA, Northeast

Winneshiek County Decorah	01	2007CST			0	0		Hail (0.75)
Winneshiek County 2 N Decorah	01	2012CST			0	0	2.5K	Thunderstorm Wind (G52)
Winneshiek County 8 NE Decorah	01	2040CST			0	0	20K	Hail (1.75)
Allamakee County Hanover	01	2045CST			0	0	10K	Hail (1.75)
Allamakee County Hanover	01	2055CST			0	0	10K	Hail (1.75)
Allamakee County 2 N Waukon	01	2100CST			0	0	3K	Thunderstorm Wind (G55)
Allamakee County Lansing	01	2135CST			0	0	5K	Thunderstorm Wind (G53)
Allamakee County Lansing	01	2140CST			0	0		Hail (0.75)
Winneshiek County Decorah	13	2230CST			0	0	100K	Thunderstorm Wind (G56)
A microburst with 65 mph winds blew the roof off a building, knocked down power lines and blew a boat underneath a semi-trailer								

Mitchell County Stacyville	17	0346CST			0	0	5K	Thunderstorm Wind (G50)
Winds gusting to near 60 mph blew down a shed.								

Winneshiek County Decorah	18	1020CST			0	0	9K	Thunderstorm Wind (G52)
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Clayton County Monona	18	1100CST			0	0	15K	Thunderstorm Wind (G52)
60 mph winds blew down trees and power lines.								

Howard County 5 W Cresco to 2 W Cresco	20	2020CST 2030CST	3	70	0	0	35K	Tornado (F0)
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Howard County 1 N Cresco to 1 NE Cresco	20	2030CST 2035CST			0	0		Funnel Cloud
Storm spotters sighted funnel clouds and a brief tornado touchdown occurred. A home was damaged but there were no injuries.								

MINNESOTA, Southeast

Olmsted County 4 N Rochester Arpt	05	1756CST			0	0	15K	Hail (0.88)
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Olmsted County Rochester	05	1758CST			0	0		Hail (0.75)
Storm spotters reported dime to nickel size hail with an isolated severe thunderstorm.								

Dodge County 1 N West Concord	13	2010CST			0	0	10K	Hail (0.88)
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Dodge County 1 N West Concord	13	2010CST			0	0		Thunderstorm Wind (G52)
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<u>MINNESOTA, Southeast</u>									
Olmsted County Byron	13	2037CST			0	0	12K		Thunderstorm Wind (G56)
Olmsted County Rochester	13	2050CST			0	0	25K		Hail (0.88)
Olmsted County 3 W Rochester	13	2050CST			0	0			Hail (0.75)
Olmsted County Rochester	13	2052CST			0	0	55K		Thunderstorm Wind (G55)
Olmsted County Byron to Rochester	13	2100CST 2245CST			0	0			Urban/Sml Stream Fld
Olmsted County 1 S Eyota	13	2121CST			0	0	8K		Thunderstorm Wind (G55)
A line of severe thunderstorms hit the area with dime to nickel size hail along with 60 to 65 mph winds 1.5 inches of rain fell in 15 minutes, causing widespread urban flooding in the city of Rochester.									
Olmsted County Rochester	16	1620CST			0	0	3.5K		Thunderstorm Wind (G52)
Dodge County 2 E Hayfield	16	1632CST			0	0		35K	Hail (1.50)
Dodge County 3 E Oslo	16	1643CST			0	0			Hail (1.00)
Olmsted County 6 W High Forest	16	1644CST			0	0			Hail (0.75)
Wabasha County Reads Landing	17	0040CST			0	0	10K		Hail (1.25)
Wabasha County Kellogg	17	0128CST			0	0			Hail (0.75)
Olmsted County 8 NW Rochester	17	0200CST			0	0	12.5K		Thunderstorm Wind (G52)
Olmsted County Rochester	17	0300CST			0	0	14K		Thunderstorm Wind (G50)
Mower County Adams	17	0320CST			0	0			Thunderstorm Wind (G50)
Mower County Adams	17	0324CST			0	0	8.5K		Thunderstorm Wind (G52)
Mower County Austin	17	0330CST			0	0	25K		Thunderstorm Wind (G52)
Winona County Winona Muni Arpt	17	0336CST			0	0	30K		Thunderstorm Wind (G52)
Winds gusting to around 60 mph blew down several trees, tree limbs and even road signs. Spotters reported hail as big as half-dollars.									
Olmsted County Rochester	18	0930CST			0	0	4.5K		Thunderstorm Wind (G50)
Storm spotters reported several trees down as winds gusted to nearly 60 mph.									
Fillmore County Rushford to Canton	19	0900CST 1300CST			0	0			Urban/Sml Stream Fld



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					Killed	Injured	Property	Crops	

MINNESOTA, Southeast

Winona County

Lewiston to Stockton	19	0930CST 1330CST			0	0			Urban/Sml Stream Fld
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Winona County

Lewiston to Stockton	19	0942CST 1330CST			0	0	50K	30K	Flash Flood
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Torrential rains caused a 2 foot wall of water to rush down Gavin Brook. Local law enforcement officials and spotters reported mudslides and water covering portions of Highway 14.

Dodge County

8 W Byron	20	1733CST 1735CST	0.2	50	0	0			Tornado (F0)
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Dodge County

Dodge Center	20	1800CST 1815CST			0	0			Funnel Cloud
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Dodge County

2 SW Dodge Center	20	1845CST 1847CST	0.2	50	0	0			Tornado (F0)
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Winona County

8 S Utica	20	1944CST			0	0			Hail (0.75)
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Winona County

8 S Utica	20	1944CST			0	0			Thunderstorm Wind (G52)
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Winona County

2 S Nodine	20	1946CST			0	0			Funnel Cloud
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Fillmore County

1 N Spring Valley	20	2035CST			0	0			Funnel Cloud
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Dodge County

10 W Rochester	21	1500CST 1520CST			0	0			Funnel Cloud
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Mower County

Adams	21	1500CST 1520CST			0	0			Funnel Cloud
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Storm spotters reported funnel clouds, none of which touched down.

WISCONSIN, Southwest

Crawford County

5 SE Ferryville	01	2155CST			0	0	2.5K		Thunderstorm Wind (G52)
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Buffalo County

Mondovi	01	2210CST			0	0			Hail (0.75)
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Crawford County

Gays Mills	01	2225CST			0	0	20K		Hail (0.75)
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Clark County

Willard	01	2235CST			0	0	15K		Hail (0.75)
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Clark County

Loyal	01	2250CST			0	0	12.5K		Hail (0.75)
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Grant County

Kieler	01	2253CST			0	0	14K		Hail (0.75)
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Clark County

Mead Lake	01	2300CST			0	0	5K		Hail (1.75)
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<u>WISCONSIN, Southwest</u>									
Richland County									
Richland Center	01	2300CST			0	0	8K		Thunderstorm Wind (G50)
Buffalo County									
10 S Mondovi	01	2325CST			0	0	10K		Hail (0.75)
Clark County									
Granton	01	2328CST			0	0	25K		Thunderstorm Wind (G56)
Clark County									
6 N Loyal	01	2330CST			0	0	15K		Thunderstorm Wind (G61)
Clark County									
5 E Loyal	01	2333CST			0	0	40K		Thunderstorm Wind (G78)
Clark County									
Chili	01	2343CST			0	0	18K		Thunderstorm Wind (G61)
Clark County									
9 E Loyal	01	2345CST			0	0	18K		Thunderstorm Wind (G61)
Clark County									
Curtiss	02	0020CST			0	0	50K		Thunderstorm Wind (G65)
Clark County									
Loyal	02	0033CST			0	0	25K		Thunderstorm Wind (G61)
Winds gusted up to 90 mph, blowing down numerous trees and damaging a couple barns. Spotters and law enforcement officials also reported dime to golf ball size hail.									
Jackson County									
Hixton	05	1715CST			0	0	30K	18K	Thunderstorm Wind (G52)
La Crosse County									
5 SE Mindoro	05	1912CST			0	0			Hail (0.75)
Vernon County									
10 W Viroqua	05	1914CST			0	0	8K		Hail (0.75)
60 mph wind gusts and dime size hail occurred as scattered severe thunderstorms affected west central Wisconsin. Hardest hit was the Hixton area where 2 mobile homes and 1800 acres of crops were damaged.									
Trempealeau County									
Trempealeau	13	2152CST			0	0	10K		Thunderstorm Wind (G52)
La Crosse County									
2 N Bangor	13	2210CST			0	0	2K		Thunderstorm Wind (G52)
Jackson County									
Hatfield	13	2215CST			0	0	5K		Thunderstorm Wind (G52)
A line of severe thunderstorms produced wind gusts to 60 mph, which blew down several trees and large limbs.									
Taylor County									
Rib Lake	16	1520CST			0	0	13K		Thunderstorm Wind (G53)
Taylor County									
6 N Chelsea	16	1545CST			0	0	20K		Hail (1.75)
Monroe County									
Kendall	16	1730CST			0	0			Hail (0.75)
Juneau County									
3 S Elroy	16	1745CST			0	0	15K	20K	Hail (1.00)
Juneau County									
5 N Elroy	16	1745CST			0	0			Hail (0.75)



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<u>WISCONSIN, Southwest</u>									
Juneau County 5 W Mauston	16	1750CST			0	0	35K		Hail (1.75)
Adams County Big Flats	16	1852CST			0	0			Thunderstorm Wind (G52)
Adams County 3 W Rome	16	1900CST			0	0	15K		Hail (1.00)
Adams County 3 E Colburn	16	1905CST			0	0	45K		Thunderstorm Wind (G54)
Adams County 5 E Adams	16	2100CST			0	0	10K		Hail (1.00)
Buffalo County Nelson	17	0035CST			0	0	10K		Hail (1.25)
Buffalo County Alma	17	0129CST			0	0			Hail (0.75)
Clark County Granton	17	0200CST			0	0	10K	15K	Thunderstorm Wind (G52)
Trempealeau County Arcadia	17	0215CST			0	0	17K		Thunderstorm Wind (G52)
La Crosse County Holmen	17	0230CST			0	0			Thunderstorm Wind (G50)
60 to 65 mph winds knocked down power lines and even twisted irrigation piping. Hail up to the size of golfballs was reported by storm spotters.									
Adams County 3 W Grand Marsh to Friendship	16	2045CST 2245CST			0	0	30K		Flash Flood
Excessive rains flooded highways and parking lots with as much as 2 feet of water.									
Adams County Springville	18	0400CST			0	0	8K		Lightning
Adams County The Dells	18	0415CST			0	0	4K		Lightning
Lightning caused minor damage to a home during an early morning thunderstorm. However, a shed was completely burned to the ground. There were no injuries in either incident.									
La Crosse County 1.5 N Holmen to 2 NE Holmen	20	2025CST 2028CST			0	0			Funnel Cloud
La Crosse County 5 NE La Crosse to 5 E La Crosse	20	2055CST 2100CST			0	0			Funnel Cloud
Vernon County 1 NW Westby	20	2117CST 2118CST			0	0			Funnel Cloud
Several funnel clouds were observed by spotters, but no touchdowns were reported.									
Vernon County Viroqua	26	1425CST			0	0	10K		Thunderstorm Wind (G52)
Vernon County Ontario	26	1437CST			0	0	7K		Thunderstorm Wind (G52)
Vernon County Ontario	26	1440CST			0	0	15K		Thunderstorm Wind (G61)
Juneau County Elroy	26	1450CST			0	0	12K		Thunderstorm Wind (G61)



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WISCONSIN, Southwest

Juneau County									
Lyndon Station	26	1455CST			0	0	15K		Thunderstorm Wind (G55)
Adams County									
4 S Plainville	26	1500CST			0	0	8K	10K	Thunderstorm Wind (G54)
Adams County									
2 NE Wisconsin Dells	26	1508CST			0	0	2.5K		Thunderstorm Wind (G52)
60 to 70 mph winds blew down several trees, large branches and some power lines									